

DOCUMENT 1/1

**DOCUMENT  
NUMBER**

@: unavailable

**DETAIL**

**JAPANESE**

**LEGAL  
STATUS**

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : **09-128383**

(43)Date of publication of  
application : **16.05.1997**

(51)Int.Cl. **G06F 17/21**  
**G06F 3/02**  
**G06F 3/02**

(21)Application number : **08-173902** (71) **INTERNATL  
BUSINESS  
MACH  
CORP  
<IBM>**  
Applicant :  
(22)Date of filing : **03.07.1996** (72) **CHEN  
CHENGJUN  
JULIAN**  
Inventor :

(30)Priority  
Priority number : **95 515547** Priority date : **16.08.1995** Priority country : **US**

**(54) SYSTEM AND METHOD FOR PROCESSING CHINESE  
TEXT**

BACK

NEXT

MENU

SEARCH

HELP

(57)Abstract:

**PROBLEM TO BE SOLVED:** To input a vocal Chinese word to a computer and accurately convert the vocal input to a Chinese character form.

**SOLUTION:** This system has a new keyboard equipped with a delimiter which enables a user to give a diacritical mark representing the intonation of a syllable to each inputted vocal text syllable as a remark. When the delimiter key is hit, it is judged that one syllable is inputted. The syllable of the input voice is compared with a list of acceptable vocal syllables and abbreviated words and when the input syllable is found in the list, a syllable which is accurately spelled and given an intonation is stored in a memory and displayed at a voice part on an image display. This process is carried on as to following syllables until a delimiter is found. Once the delimiter is found, a word string (character string between two delimiters) is processed by a morphological and syntactic theory process or with a statistical linguistic model to determine characteristic Chinese characters representing the word in the word string.